



## New Research View of Optimal Corrosion Control Treatment

- OCCT includes *both pure corrosion and control of metal release* (what causes unhealthy exposures)
- OCCT is *much more* than simply adjusting pH or adding phosphate.
- The nature of pipe scales reflecting past treatment history dictates the direction and level of success of lead control approaches
- Metal solubility is important factor
  - Varies by factor of 5 to 10 or more across systems
  - Is minimum chronic background exposure to consumers
- Both soluble and some particulate Pb release can be controlled by treatment, but episodic Pb spikes cannot be totally prevented when lead sources remain present.